

## PATENT SPECIFICATION

DRAWINGS ATTACHED

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## COMPLETE SPECIFICATION

## Improvements in and relating to Chairs

I, EUSTACE COOKE-YARBOROUGH, a British subject, of 49 Maresfield Gardens, London, N.W.3, do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

The present invention relates to chairs and has for its primary object the provision of a chair which in addition to serving its normal functions may be readily adapted or converted for use as a high stool.

The invention consists in a chair comprising a seat, a frame structure and a panel pivotally mounted on back members of the frame structure for swinging movement between a substantially vertical position where it serves as a back support and a substantially horizontal position overhanging the chair seat where it serves as an elevated stool seat, means being provided for supporting the panel in its horizontal position and to limit the swinging movement thereof such that one surface of the panel provides either the front face of the back support or the upper face of the stool seat.

In carrying the invention into effect, various embodiments of the chair are hereinafter described by way of example with reference to the accompanying drawings in which:—

Figure 1 is a side elevation of a chair illustrating one form of the invention wherein a panel is pivotally mounted on the back of the chair for swinging movement between two positions to serve either as a back support or as an elevated platform for a stool seat;

Figure 2 is perspective view to an enlarged scale of one of a pair of bracket members employed to pivotally mount the panel on the back of the chair shown in Figure 1;

Figure 3 is an exploded perspective view of one of a pair of modified bracket means for pivotally mounting the panel on the back of a chair.

The chair illustrated in Fig. 1 embodies a seat 1 mounted on a tubular steel or like metal frame structure 2 provided with depending

legs 3 and two upright back members 4. Mounted for swinging movement about a horizontal axis between the upright back members 4 is a panel 5 which is pivotally attached to the upper ends of adjacent members 4 by a pair of metal bracket arms 6, one of which is shown in detail in Fig. 2.

Each bracket arm 6 is a member of angle section having two flange portions 7 and 8. Flange 7 is provided with orifices 9 to accommodate bolts, screws, or like fastenings for attaching the bracket to a lateral edge of the panel 5 whilst flange 8 has a bush 10 at one end of the bracket and a projecting extension 11 terminating in an offset laterally extending lug 12.

The bracket arms 6 are secured to the opposite lateral edges of the panel 5 adjacent one longitudinal edge thereof and the bush 10 on each bracket arm 6 is pivotally mounted at 13 on a short shaft, bolt or stud secured to the upper end of an adjacent back frame member 4. Thus mounted the panel may be swung about a horizontal axis through an arc of approximately 270° between a substantially vertical position, where it serves as a back support, and a substantially horizontal position overhanging the main chair seat 1, where it serves as an elevated stool seat.

The lugs 12 of the bracket arms 6 abut the forward and rear edges respectively of the back frame members 4 in these two extreme positions, to provide a firm support for the panel 5 when it lies horizontal and also to limit the swing of the panel to an arc of movement such that one surface 14 of the panel provides either the front face of the back support or the upper face of the stool seat. This face 14 is preferably suitably upholstered.

A modified form of bracket means for pivotally mounting each lateral edge of a panel 5 on the upright back members 4 of a chair is illustrated in Fig. 3. This bracket means comprises a cast or forged metal member 15 and an angle section bracket arm 16. The member 15 is of a square or U-shaped section

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dimensioned to fit, and be secured within, the open upper end of a square tubular back frame member 4.

Each member 15 has an integral laterally extending trunnion 17 at its upper end and immediately below the trunnion is recessed to provide an integral vertical web 18. Each bracket arm 16 has two flange portions 19 and 20, one of which has holes 21 to accommodate screws, bolts or the like for attaching the bracket to a lateral edge of the panel 5 whilst the other has a bush or orifice 22 at one end of the bracket arm adapted to fit trunnion 17 and an offset abutment 23 adjacent thereto to coact with web 18.

A bracket arm 16 is secured to each of the opposite lateral edges of the panel 5 adjacent one longitudinal edge thereof with the bush or orifice 22 rotatably fitted on the trunnion 17 of the complementary member 15 fitted to the upper end of the adjacent back frame member 4.

Thus mounted the panel 5 may be swung through an arc of approximately  $270^\circ$  about a horizontal axis with the abutment 23 on each bracket arm 16 coacting with the web 18 of an associated member 15 to support the panel in a horizontal position and to limit the arc of movement thereof in a similar manner to the lugs 12 on the bracket 6 hereinbefore described with reference to Fig. 2.

#### WHAT I CLAIM IS:—

1. A chair comprising a seat, a frame structure, and a panel pivotally mounted on back members of the frame structure for swinging movement between a substantial vertical position, where it serves as a back support, and a substantially horizontal position overhanging the chair seat, where it serves as an

elevated stool seat, means being provided for supporting the panel in its horizontal position and to limit the swinging movement thereof such that one surface of the panel provides either the front face of the back support or the upper face of the stool seat.

2. A chair as claimed in claim 1 wherein the panel is pivotally mounted on the upper ends of back members of the frame structure by a pair of bracket arms secured to the lateral edges of the panel, each bracket arm being provided with a lug disposed to abut the adjacent back frame member where the panel lies horizontal and to limit the arc of movement of the panel about its pivotal axis.

3. A chair as claimed in claim 1 wherein the panel is pivotally mounted on back members of the frame structure by a pair of bracket means each comprising a member fitted within an open upper end of a tubular back frame member and having an integral laterally extending trunnion and a vertical web adjacent thereto, and a bracket arm secured to a lateral edge of the panel and having a bush rotatably mounted on the trunnion and an abutment disposed to coact with the web to support the panel when it lies horizontal and to limit the arc of movement of the panel about its pivotal axis.

4. A chair substantially as hereinbefore described with reference to Figs. 1 and 2 of the accompanying drawings.

5. A chair substantially as hereinbefore described with reference to Fig. 1 as modified by Fig. 3 of the accompanying drawings.

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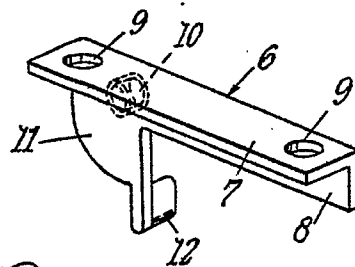
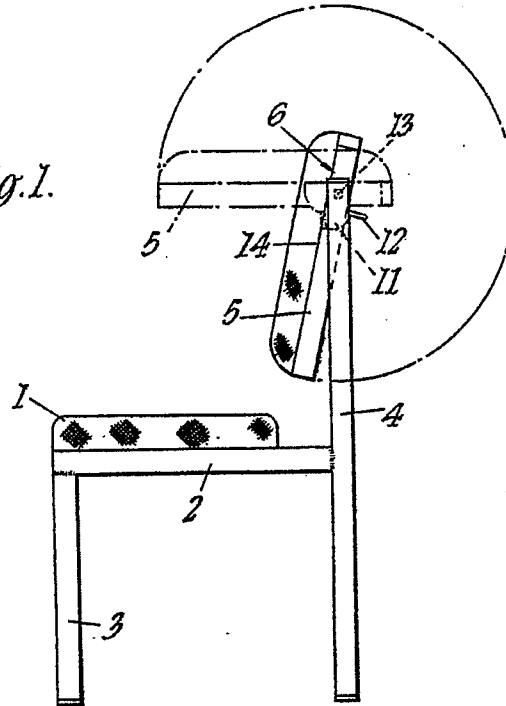
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COMPLETE SPECIFICATION

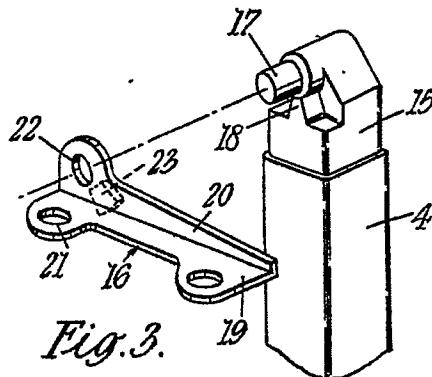
1 SHEET

This drawing is a reproduction of  
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*Fig.1.*



*Fig.2.*



*Fig.3.*